

Traffic Delays on I-17 Due to Crashes in 2005

July 12, 2007

Data Sources Used

- **ADOT ALISS (Accident Location Information Surveillance System) database for 2005 >> crash data**
- **RADS (A Regional Data Archive) database >> road closure data**
- **ADOT New River Permanent Traffic Count Station Data >> Daily/weekly traffic patterns**

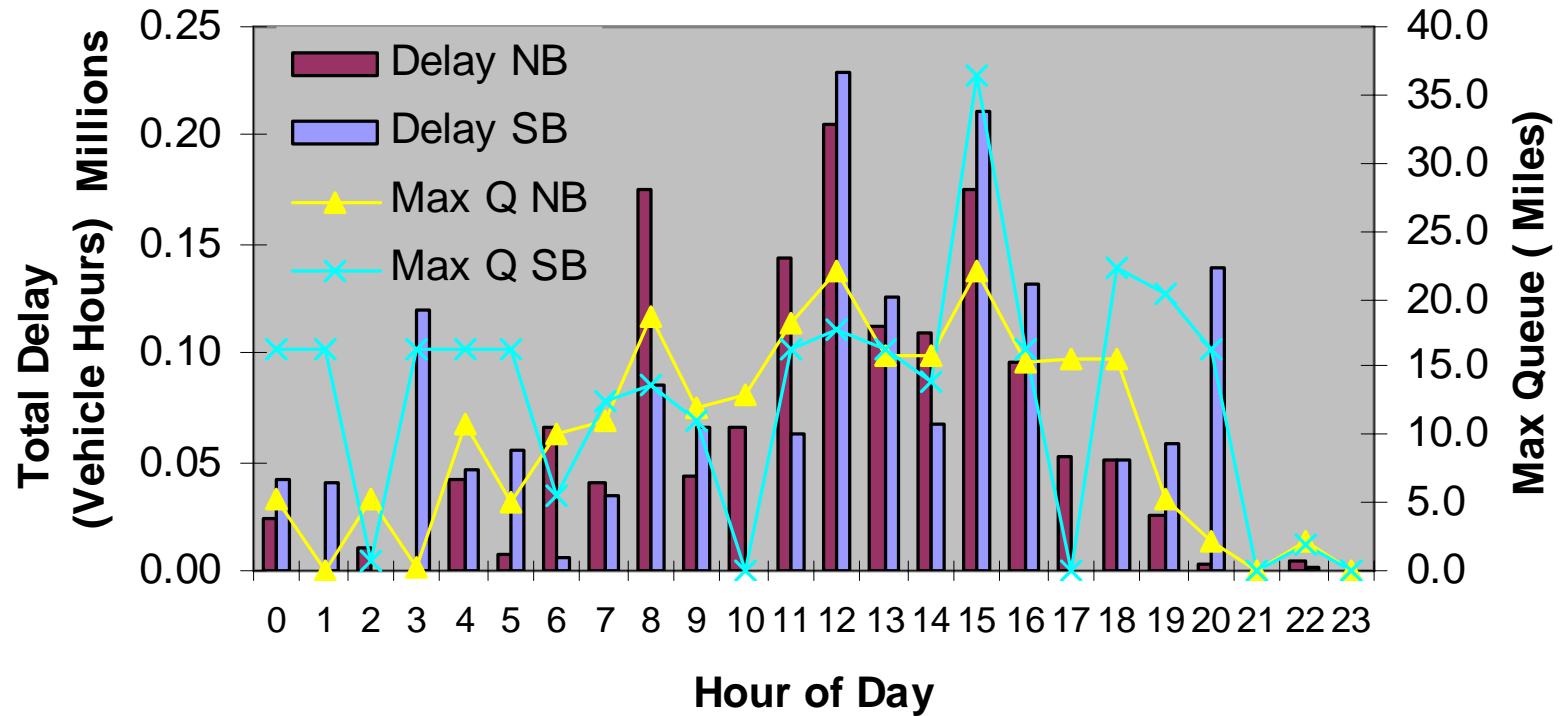
Freeway Segments Examined

Segment	From/To	Miles	Traffic Volume
1	Loop 101- Happy Valley Rd.	3	116,000
2	Happy Valley Rd. - New River Rd.	14	88,800
3	New River Rd. - Cordes Junction Rd.	30	44,000
4	Cordes Junction Rd. - SR 179	36	27,100
5	SR 179 - Williams Spring Rd.	27	18,500
6	William Spring Rd. - I-40	14	29,200

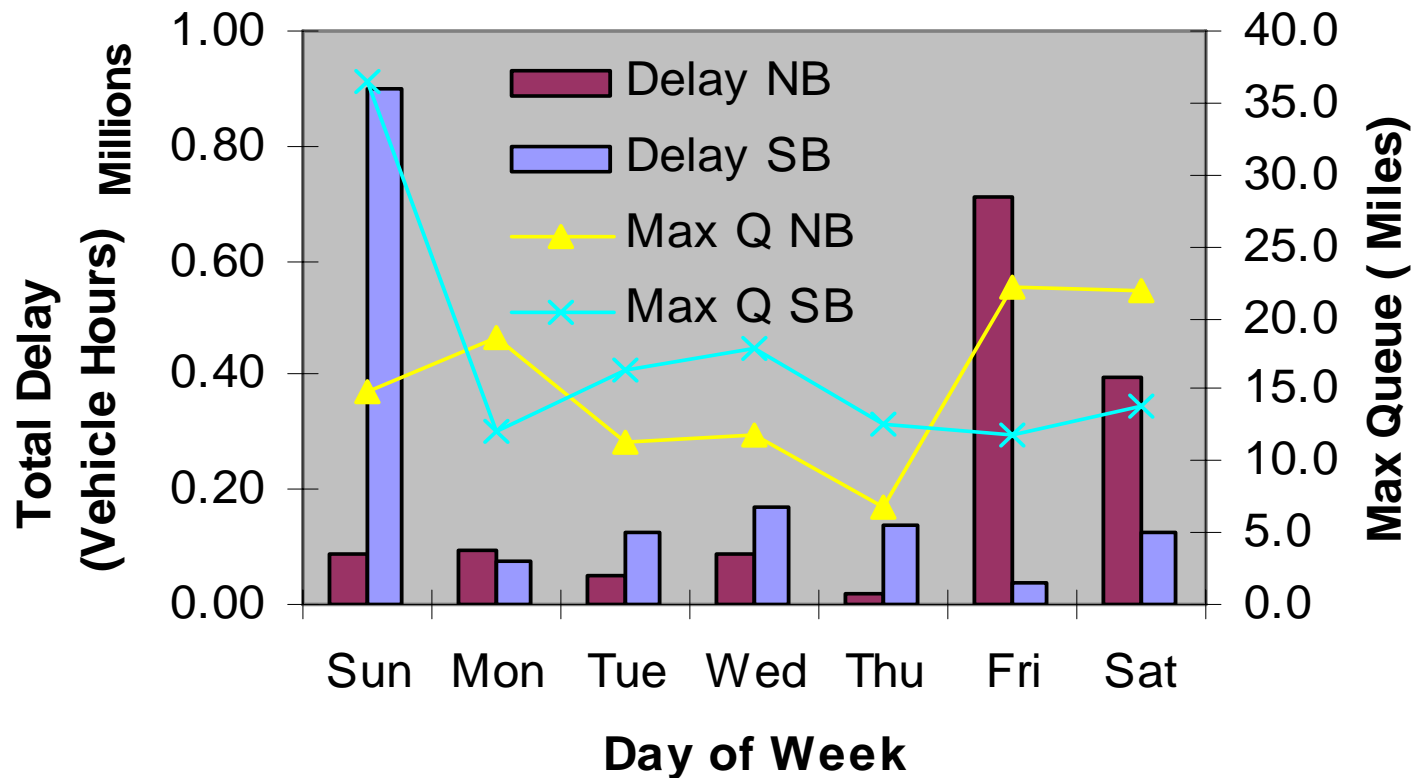
Peak Delay & Max Queue

Segment	NB Peak Delay & Max Q	SB Peak Delay & Max Q
1	Fri Noon 22 miles	Sun Noon 36 miles
2	Fri Noon 25 miles	Sun 4pm 30 miles
3	Fri 5pm 7 miles	Sun 11am 9 miles
4		
5		

Delay & Max Queue Based on Crash Occurrence Time



Delays by Day of Week



Delays by Month

